

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB 03/03143

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G05B19/4063 G05B19/4061

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 365 681 A (FANUC LTD) 2 May 1990 (1990-05-02) cited in the application the whole document	1-5
A	GB 1 428 635 A (WESTINGHOUSE ELECTRIC CORP) 17 March 1976 (1976-03-17) the whole document	1-5
A	US 5 214 362 A (NAITO YASUO ET AL) 25 May 1993 (1993-05-25) the whole document	1-5

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

A document member of the same patent family

Date of the actual completion of the international search

10 March 2004

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18/03/2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0365681	A	02-05-1990	JP 1230107 A	13-09-1989
			DE 68919801 D1	19-01-1995
			DE 68919801 T2	04-05-1995
			EP 0365681 A1	02-05-1990
			WO 8908538 A1	21-09-1989
			KR 9605985 B1	06-05-1996
			US 5119006 A	02-06-1992
GB 1428635	A	17-03-1976	US 3864558 A	04-02-1975
			DE 2422717 A1	05-12-1974
			FR 2230019 A1	13-12-1974
			JP 50017746 A	25-02-1975
US 5214362	A	25-05-1993	JP 2146602 A	05-06-1990
			EP 0380707 A1	08-08-1990
			WO 9001732 A1	22-02-1990

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